

PRIOR ART

FIG. 1



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



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PRIOR ART

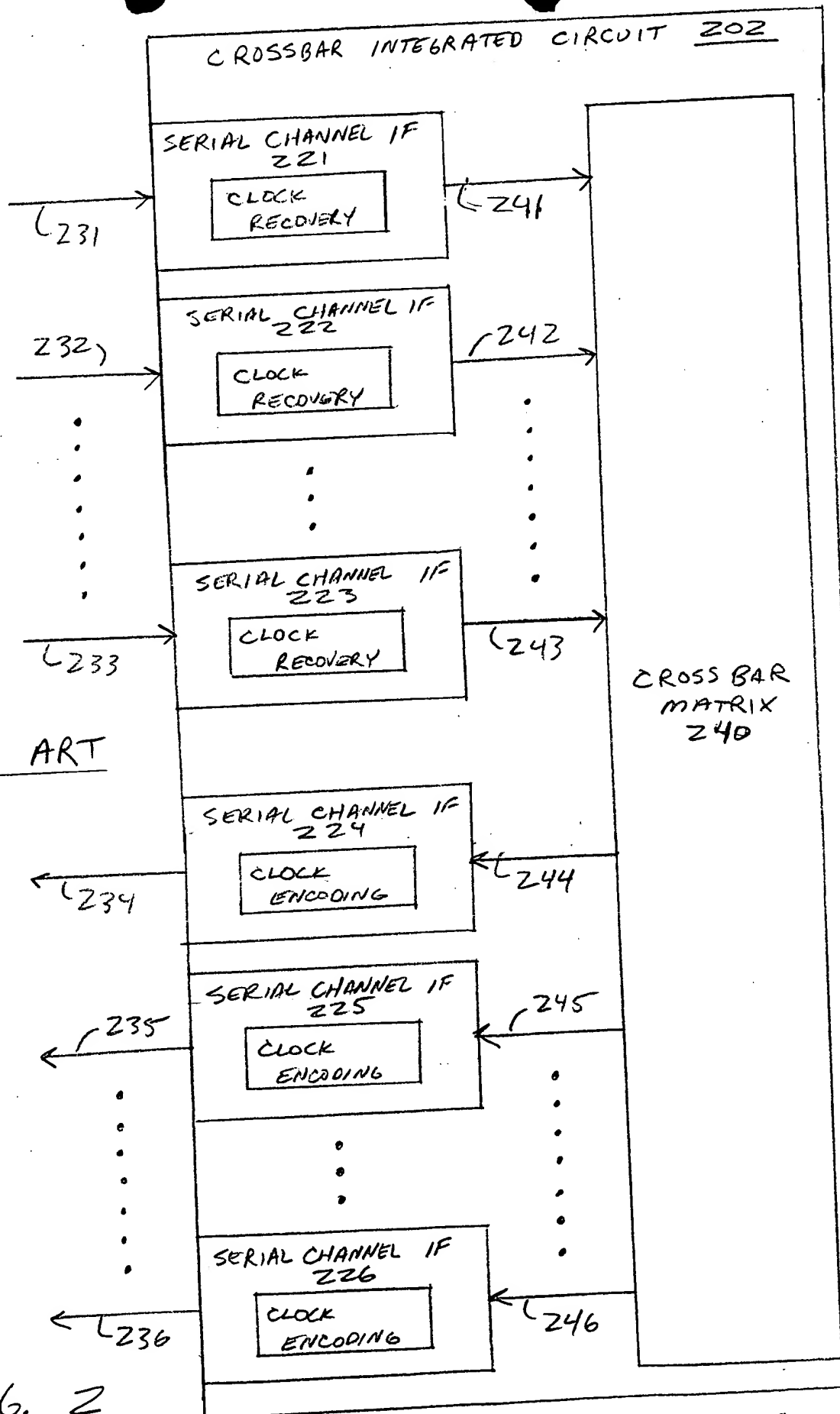


FIG. 2

22-141 50 SHEETS  
 22-142 100 SHEETS  
 22-144 200 SHEETS

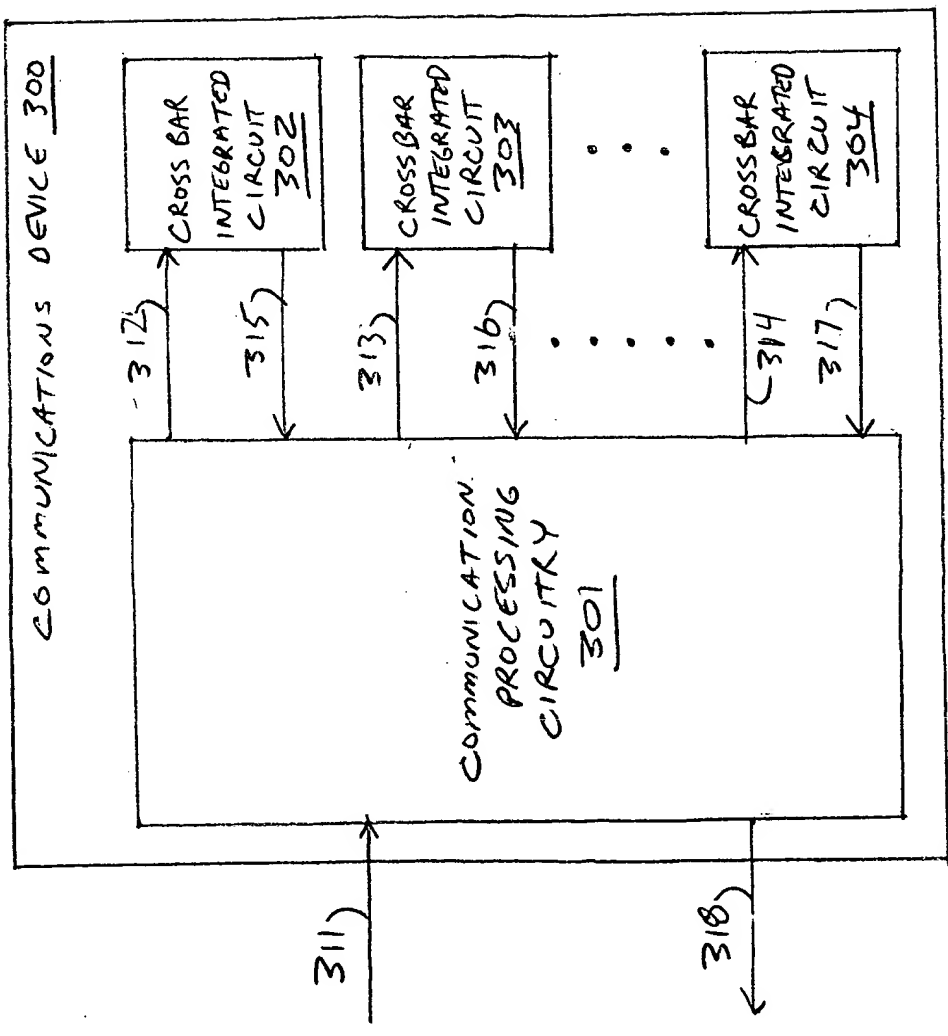


FIG. 3



FIG. 4



COMMUNICATION PROCESSING CIRCUITRY

COMMUNICATION  
PROCESSING CIRCUITRY  
501

PARALLEL  
CHANNEL IF  
511

CLOCK

DATA

PARALLEL  
CHANNEL IF  
516

CLOCK

DATA

CROSSBAR INTEGRATED CIRCUIT 502

PARALLEL  
CHANNEL IF  
521

CLOCK

DATA

PARALLEL  
CHANNEL IF  
526

CLOCK

DATA

CROSSBAR  
MATRIX  
540

512

517

542

547

FIG. 5

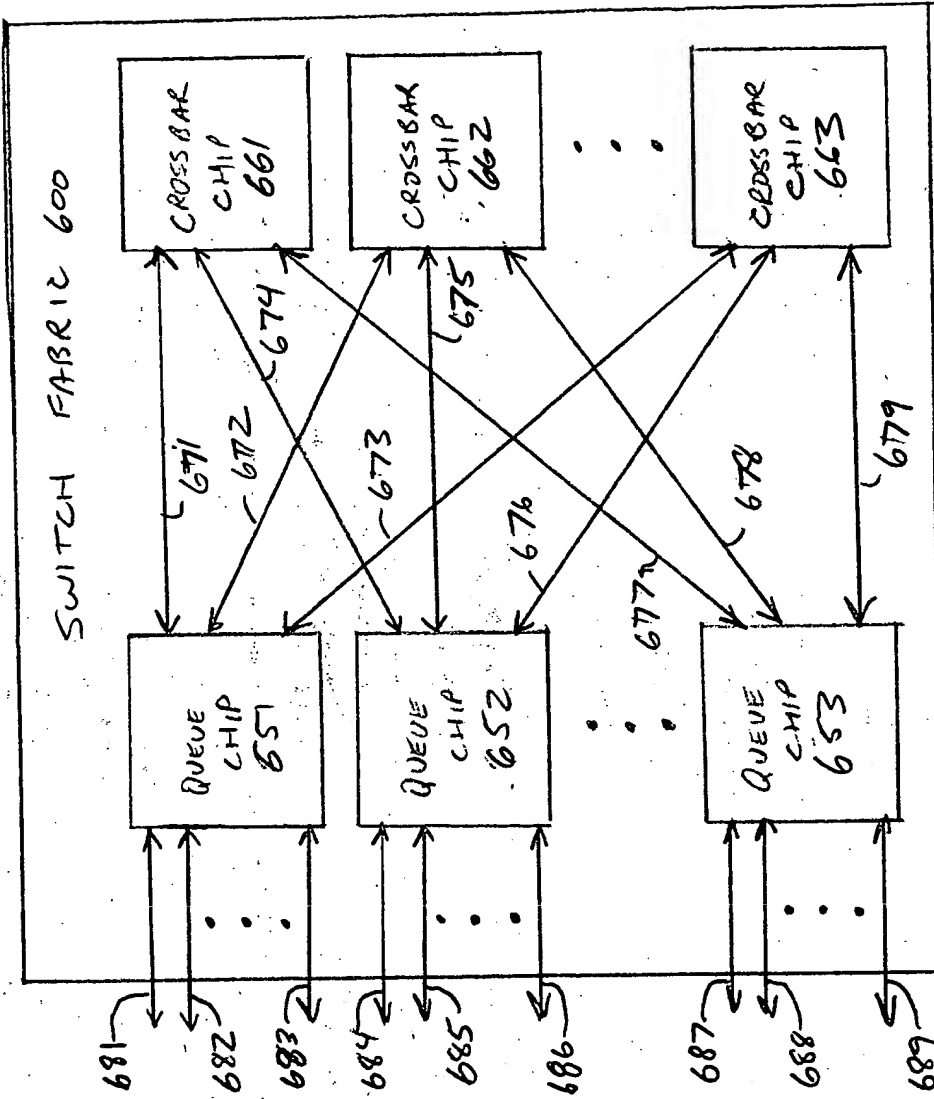


FIG. 6

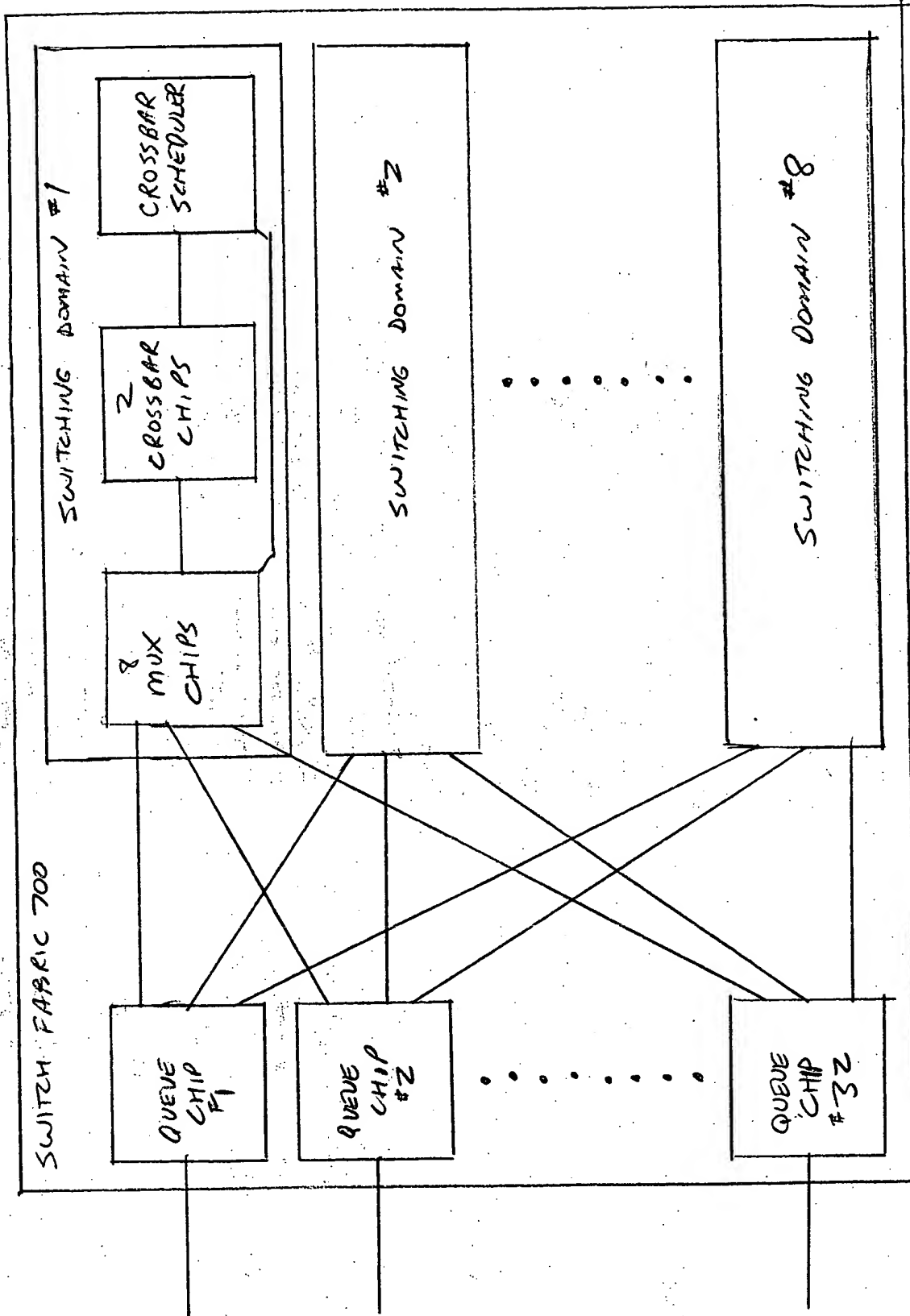


FIG. 7